

DESIGN ENVELOPE EXPRESS PUMP 4300 |

1506-003.0 | SUBMITTAL

File No: 100.3000

Date: DECEMBER 24, 2015

Supersedes: 100.3000

Date: SEPTEMBER 22, 2015

Job:	R	epresentative:	
	C	Order No:	Date:
Engineer: Su Contractor: Ap		ubmitted by:	Date:
		approved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	EXPRESS
No. of pumps:	Tag:	Sensorless Control:	Standard
Capacity:USgpm (L/s) Liquid:			ft (m)*
Temperature: °F (°C)	Specific gravity:	Orientation:	L1
Suction: 1.5" (38mm)	Discharge: 1.5" (38mm)) Protocol:	BACnet TM
OSHPD Seismic Certification OSP-	0422-10	Enclosure:	Indoor - UL TYPE 12
UL STD 778 & CSA STD C22.2 NO.108 certified		емі/RFI control:	Integrated filter designed to meet EN61800-3
MOTOR DESIGN DATA HP: 3 RPM: 3600 Frame size:	145 Enclosure: TEFC	Harmonic suppression:	Dual DC-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements**
Volts: □ 230V □ 460V □ 575V Hertz: 60 Hz		Cooling:	Fan-cooled through back channel
Phase: 3 Efficiency: NEMA premium 12.12		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
MAXIMUM PUMP OPERATIN	NG CONDITIONS	Analog ı/o:	Two current or voltage inputs, one current output
ANSI 125 175 psig at 150°F (12 bars at 65°C)		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
100 psig at 300°F (7 bars at 150°C)		Pulse inputs:	Two programmable
ANSI 250		Relay outputs:	Two programmable
375 psig at 150°F (26 bars at 65°C) 260 psig at 300°F (21 bars at 150°C)		Communication port:	1-RS485, 1-USB
• Tolerance of ±0.125" (±3 mm) should be used			sure is not known: Default to 40% of design head drive via built-in oc line reactors. This does not

*The IVS 102 drive is a low harmonic drive via built-in DC line reactors. This does not guaranty performance to any system wide harmonic specification or the costs to meet a system wide specification. If supplied with the system electrical details, Armstrong will run a computer simulation of the system wide harmonics. If system harmonic levels are exceeded Armstrong can also recommend additional harmonic mitigation and the costs for such mitigation.

MECHANICAL SEAL DESIGN DATA

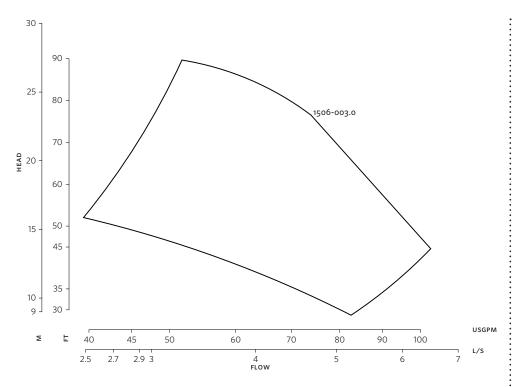
certified dimensions

See file no. 43.50 for standard mechanical seal details as indicated below

• For exact installation, data please write factory for

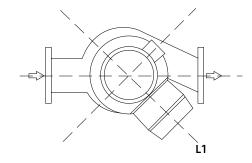
Armstrong seal reference number: c1 (a)

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Performance curves are for reference only.

 $Confirm\ current\ performance\ data\ with\ Armstrong\ ACE\ Online\ selection\ software.$



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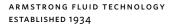
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BANGALORE

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SHANGHAI

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DIMENSION DATA

	INDOOR	
	(UL TYPE 12/TEFC)	
Frame size:	145	
Size:	1.5×1.5×6	
HP:	3	
RPM:	3600	
AB:	24.89(632)	
в:	4.53(115)	
c:	4.53(115)	
D:	7.25(184)	
E:	11.85(301)	
P:	8.63(219)	
F:	18.85(479)	
s:	7.00(178)	
SD:	14.25(362)	
T:	4.25(108)	
XY:	22.00(559)	
Weight:	205(93.0)	

Dimensions - inch (mm) Weight - lbs (kg)

